

Application Serial No. 10/589,569

IN THE CLAIMS:

The following listing of claims replaces all prior listings of claims in the present application:

Listing of Claims:

1. (Currently amended) A soldering nest provided in a bus bar made entirely of a good electrical and heat-conducting material, the bus bar having an aperture for the introduction of a terminal lead to be soldered thereinto, and the introduction of the terminal lead may be effected from a first surface plane of the bus bar and soldering may be effected by the application of a soldering material and temporary contact with a source of heat from a second, opposite parallel surface plane of the bus bar, wherein the aperture is formed by a conical bore which is perpendicular or approximately perpendicular to the surface planes of the bus bar, extends between the two surface planes, and whose cone angle is at least 30°; the apex of the conical bore is oriented toward the first surface plane of the bus bar, and the conical bore terminates in a circular aperture, whose diameter is slightly greater than the diameter of the terminal lead, at the second surface plane.
2. (Previously Presented) The soldering nest as defined in claim 1, wherein the cone angle is between 50° and 90°.
3. (Previously Presented) The soldering nest as defined in claim 1, wherein the terminal lead is part of a semiconductor device.
4. (Previously Presented) The soldering nest as defined in claim 1, wherein the bus bar consists of metal.
5. (Previously Presented) The soldering nest as defined in claim 4, wherein the metal is copper, a copper alloy, or silver.

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6. (New) The soldering nest as defined in claim 1, wherein the bus bar is a stand-alone bus bar without contact, at least adjacent the conical bore, with a solid insulating material.